

## Rocksilk® RainScreen FFCB

June 2026

Build on us.

### Description

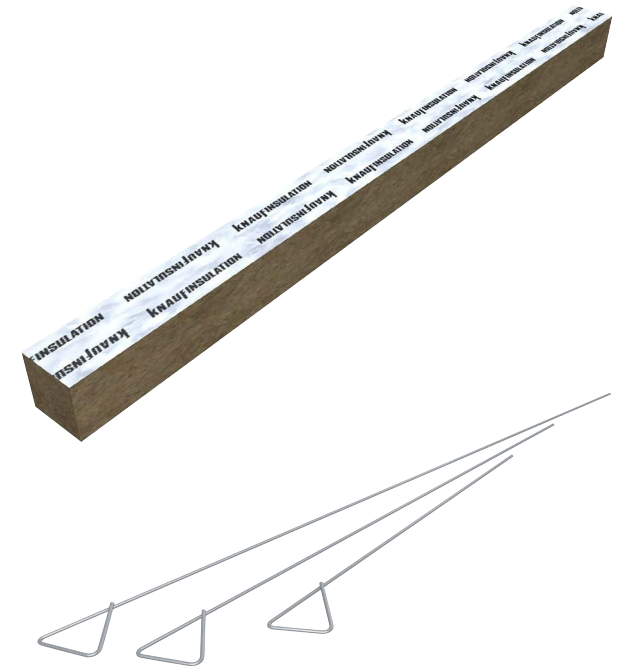
Rocksilk® RainScreen FFCB is a patented cavity barrier made from rock mineral wool, that is designed to be face-fixed to Rocksilk® RainScreen Slab as the masonry façade is constructed.

It is part of our rainscreen cavity system with Rocksilk® RainScreen Slabs and Rocksilk® RainScreen Slab Fixings that provide fire resistance for up to 90 minutes insulation and integrity (EI90).

It is manufactured using our unique plant-based binder, ECOSE® Technology.

### Benefits

- › Part of our tested rainscreen cavity system providing fire resistance for up to 90 minutes insulation and integrity.
- › Is installed after Rocksilk® RainScreen Slabs are in place, meaning that the slabs do not need to be cut away, reducing waste and increasing efficiency on-site.
- › Barrier thickness does not change, no matter the thickness of Rocksilk® RainScreen Slab, and ties can be cut to suit.
- › Holds a third party certificate by Kiwa (IFCC2054).
- › Suitable for vertical and horizontal applications, including with masonry support brackets.



# Rocksilk® RainScreen FFCB

## Technical Specifications

### ROCKSILK® RAINSCREEN FFCB

Length (mm)	Width (mm)	Thickness (mm)	Tie Length (mm)	Quantity per box	Ties per box	Product code
1200	52	100	200	28	84	794378
1200	52	100	300	28	84	795371
1200	52	100	400	28	84	795419
1200	52	200	200	14	42	795616
1200	52	200	300	14	42	795614
1200	52	200	400	14	42	795613
1200	102	200	300	6	18	795615
1200	102	200	400	6	18	795617
1200	600* /**	100	n/a	6	n/a	801370
1200	600* /**	200	n/a	3	n/a	801372

### ROCKSILK® RAINSCREEN FFCB TIE

Length (mm)	Width (mm)	Thickness (mm)	Tie Length (mm)	Quantity per box	Ties per box	Product code
n/a	n/a	n/a	200	n/a	100	795618
n/a	n/a	n/a	300	n/a	100	795619
n/a	n/a	n/a	400	n/a	100	795620

All dimensions are nominal

\* Product must be cut to size, ensuring it is 2mm wider to allow for compression

\*\* Full slab version does not come with ties included as standard. Must be ordered separately.

# Rocksilk® RainScreen FFCB

## Performance

### ROCKSILK® RAINSCREEN FFCB

Orientation	With Masonry Support Brackets?	Rocksilk® RainScreen FFCB Min Depth (mm)	Insulation	Cavity Width (mm)	Integrity (E) (mins)	Insulation (I) (mins)
Horizontal	No	100	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-360	90	30
	No	150	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-360	120	90
	Yes	100	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	150-300	60	15
	Yes	150	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	150-300	45	30
Vertical	No	100	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-360	60	30
	No	150	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-360	120	90
	No	200	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-360	120	90

## Applications



Rainscreen façade systems

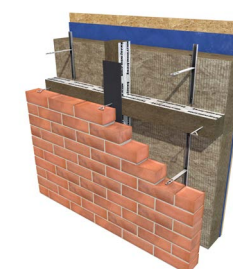
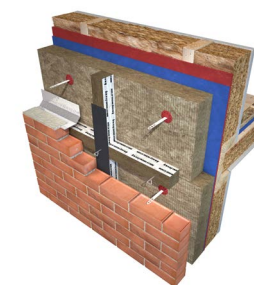


Frame construction  
With masonry outer



Timber frame walls  
Built-in insulation  
between studs with  
partially filled cavity

## Typical Build-Ups



## Certification, accreditations and industry standards



# Rocksilk® RainScreen FFCB

## Application

Rocksilk® RainScreen FFCB is used as a cavity barrier in closed state cavities to provide fire resistance between compartments, floor levels and cavity openings such as windows or doors. It is suitable for use in partially filled masonry cavities where the inner leaf is concrete/ masonry/steel or timber frame. It has been tested with masonry support brackets, and a non-combustible DPC.

When factory finished to suit cavity dimensions, Rocksilk® RainScreen FFCB comes with three ties per barrier included in the box.

When ordered as a full slab, ties should be ordered separately.

They should be a suitable depth such that they sit in contact with the sheathing board when installed. The ties can be easily trimmed to size.

Rocksilk® RainScreen FFCB can only be used in conjunction with Rocksilk® RainScreen Slab. The outer wall must be masonry units (concrete blocks/bricks). Testing has been carried out in accordance with the principles of BS EN 1366-4.

## Standards and certification

Rocksilk® RainScreen FFCB has been assessed by Kiwa under assessment report PAR/25278/01 to provide fire resistance to partially filled cavities with a masonry façade. It holds a third party certificate from Kiwa (certificate IFCC2054) for fire stopping cavities. For copies of the assessment reports and certificates please contact our Technical Services Team.

All of our mineral wool is made of non-classified fibres and is certified by EUCEB. EUCEB (European Certification Board of Mineral Wool Products - [www.euceb.org](http://www.euceb.org)) is a voluntary initiative by the mineral wool industry. It is an independent certification authority that guarantees that products are made of fibres which comply with the exoneration criteria for carcinogenicity (Note Q) of the Regulation (EC) 1272/2008.

## Thermal Modelling

The U-value of a proprietary built element (rainscreen façade/masonry cavity wall/garage soffit etc.) or system is dependent on the material properties and the degree of thermal bridging in the system. Calculations should be created using 2D or 3D modelling programs which comply with the methodologies detailed in BS EN ISO 6946:2017 or BS EN ISO 10211:2017 and using guidance from BR443:2019.

We offer simplified calculations to BS EN ISO 6946:2017 and where required numerically modelled U-value calculations using software that is compliant with BS EN ISO 10211:2017.

## System Testing

Knauf Insulation maintains declared product characteristics and qualities which are defined in detail in its Declaration of Performances (DoPs) and product literature. The product literature also includes information relating to Knauf Insulation's requirements and recommendations for installation of its products when being used as part of a system.

Any party using, or planning to use, our products in a system (with or without system testing) where performance may be dependent on product characteristics not declared on our DoPs or our product literature, must contact our Technical Services Team.

Knauf Insulation will not accept liability for any failure in system performance due to product characteristics not declared on DoPs or product literature, or not agreed in a Service Level Agreement. In such an event, any warranty given in relation to those products will be invalidated.

## Real Performance

Glass and rock mineral wool are easier to install correctly than other insulants, such as rigid boards, because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Mineral wool is engineered to adapt to any imperfections, and any settlement/movement over time, so it maintains close contact and preserves thermal performance for the life of the building.

Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application. Any insulation material that doesn't deliver 'as-built' thermal performance is failing in its primary purpose, and therefore presents an unnecessary risk as the construction industry seeks to close the performance gap.

## Moisture Resistance

The physical and chemical characteristics of the fibres are unaltered by wetting. Therefore, the thermal properties of Rocksilk® RainScreen FFCB are not affected by exposure to moisture and the product will perform as expected once dry and undamaged.

## Durability and Fitness for Use

Rocksilk® RainScreen FFCB is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria. The product will have a life equivalent to that of the wall structure in which it is incorporated.

# Rocksilk® RainScreen FFCB

## Sustainability

Rocksilk® RainScreen FFCB is manufactured with ECOSE® Technology, our unique plant-based binder. It is low-carbon and generates low-VOCs, so it can be used to create better buildings – for occupiers, for installers and for the planet.

ECOSE® provides the proven sustainability performance the industry needs, backed up by extensive testing and certification. ECOSE® is just one small element of our product proposition, but it makes a big difference. Our rock mineral wool is manufactured using around 35% recycled content (recycled material mostly from the steel industry along with customer production waste).

Rocksilk® RainScreen FFCB contains no ozone-depleting substances or greenhouse gases. The overall environmental performance of our products is reported in their EPDs (Environmental Product Declarations), in accordance to ISO 14025:2023, ISO 21930:2017 and EN 15804+A2:2019. EPDs are available to download on our website for relevant products.

We have received the BES6001(v4.0) 'Very Good' rating for our three manufacturing plants, which proves that our products are made with constituent materials that are responsibly sourced.

## Handling and Storage

Rocksilk® RainScreen FFCB should be stored properly and handled in such a way as to ensure that the product remains clean and undamaged.

The boxes used for the supply of Rocksilk® RainScreen FFCB are designed for short-term protection only. For longer term protection on site, the product should either be stored indoors or under cover and off the ground. Rocksilk® RainScreen FFCB should not be left permanently exposed to the elements.

The product must be protected from prolonged exposure to sunlight, and stored dry and flat.

Rocksilk® RainScreen FFCB is light and easy to handle; care should be exercised to avoid crushing their edges or corners. If damaged, the product should be discarded. Damaged, contaminated or wet products must not be used.

During construction exposed areas should always be covered at the end of a day's work or in heavy rain. Polyethylene covers should be used to provide protection and prevent work from becoming saturated.

## Knauf Insulation Ltd

Stafford Road, St.Helens, Merseyside, WA10 3LZ Customer Service: 01744 766 766

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, text and illustrations in this document. Nevertheless, errors cannot be completely ruled out. The publisher and editors cannot assume legal responsibility or any liability for incorrect information and consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out. For the most up-to-date document versions and product information, please always refer to our website.

KINE4812DAT-V0626

**Build on us.**